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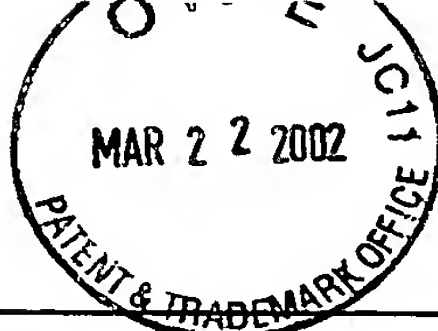
<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ISIS-4945</b>	Serial No. <b>10/029,598</b>
	Applicant <b>Ching-Leou Teng et al.</b>	
	Filing Date <b>December 21, 2001</b>	Group <b>1635</b> <del>Not yet assigned</del>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>AA</b>	Akamo, Y. et al., "Chemotherapy Targeting Regional Lymph Nodes by Gastric Submucosal Injection of Liposomal Adriamycin in Patients with Gastric Carcinoma", <i>Jpn. J. Cancer Res.</i> , <b>1994</b> , 85, 652-658
	<b>AB</b>	Albert, et al., "Antisense knockouts: molecular scalpels for the dissection of signal transduction", <i>Trends in Pharmacological Sciences</i> , <b>1994</b> , 15, 250-254
	<b>AC</b>	Aungst, B.J. et al., "Site Dependence of Absorption-Promoting Actions of Laureth-9, Na Salicylate, Na <sub>2</sub> EDTA, and Aprotinin on Rectal, Nasal, and Buccal Insulin Delivery", <i>Pharm. Res.</i> , <b>1988</b> , 5, 305-308
	<b>AD</b>	Ausubel et al. (Eds.), <i>Short Protocols in Molecular Biology</i> , 2nd Ed., John Wiley & Sons, New York, NY, <i>Chapter 3</i> , 3-11 to 3-38, <b>1992</b>
	<b>AE</b>	Bailly, C. et al., "PCR-based development of DNA substrates containing modified bases: An efficient system for investigating the role of the exocyclic groups in chemical and structural recognition by minor groove binding drugs and proteins", <i>Proc. Natl. Acad. Sci. USA.</i> , <b>1996</b> , 93, 13623-13628
	<b>AF</b>	Baker, B.F. et al., "Cleavage of the 5' Cap Structure of mRNA by a Europium(III) Macrocyclic Complex with Pendant Alcohol Groups", <i>J. Am. Chem. Soc.</i> , <b>1997</b> , 119(38), 8749-8755
	<b>AG</b>	Beck, S., "Nonradioactive Detection of DNA Using dioxetane Chemiluminescence", <i>Methods in Enzymology</i> , <b>1992</b> , 216, 143-153
	<b>AH</b>	Benet, L.Z. et al., "Pharmacokinetics: The Dynamics of Drug Absorption, Distribution, and Elimination", <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., Hardman et al. (eds.), McGraw-Hill, New York, NY, <b>1996</b> , <i>Chapter 1</i> , 3-9
	<b>AI</b>	Berge, S.M. et al., "Pharmaceutical Salts", <i>J. Pharm. Sci.</i> , <b>1977</b> , 66, 1-19
	<b>AJ</b>	Block, L., "Medicated Applications", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , <i>Ch. 87</i> , 1596-1614
	<b>AK</b>	Block, L., "Pharmaceutical Dosage Forms: Disperse Systems", Vol. 2, Lieberman, Rieger and Banker, Eds., Marcel Dekker, Inc., New York, NY, <b>1989</b> , <i>Chapter 9</i> , pgs. 335-378

EXAMINER JANETTE PPS-FORD

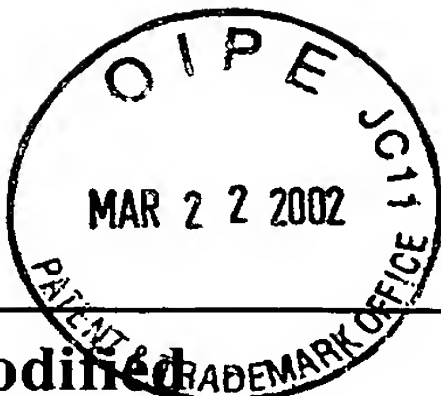
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AL</b>	Brunton, L.L., "Agents Affecting Gastrointestinal Water Flux and motility; Emesis and Antiemetics; Bile Acids and Pancreatic Enzymes", <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., Hardman et al. (Eds.), McGraw-Hill, New York, <b>1996</b> , Chapter 38, 934-935	
	<b>AM</b>	Buur, A. et al., "Penetration of 5-Fluorouracil and prodrugs across the intestine of the albino rabbit: Evidence for shift in absorption site from the upper to the lower region of the gastrointestinal tract by prodrugs", <i>J. Controlled Release</i> , <b>1990</b> , 14, 43-51	
	<b>AN</b>	Buzayan, J.M. et al., "Satellite tobacco ringspot virus RNA: A subset of the RNA sequence is sufficient for autolytic processing", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1986</b> , 83, 8859-8862	
	<b>AO</b>	Chollet, A. et al., "DNA containing the base analogue 2-aminoadenine: preparation, use as hybridization probes and cleavage by restriction endonucleases", <i>Nucl. Acids Res.</i> , <b>1988</b> , 16, 305-317	
	<b>AP</b>	Cole-Strauss, A. et al., "Correction of the Mutation Responsible for Sickle Cell Anemia by an RNA-DNA Oligonucleotide", <i>Science</i> , <b>1996</b> , 273, 1386-1389	
	<b>AQ</b>	Constantinides, P.P. et al., "Formulation and Intestinal Absorption Enhancement Evaluation of Water-in-Oil Microemulsions Incorporating Medium-Chain Glycerides", <i>Pharm. Res.</i> , <b>1994</b> , 11, 1385-1390	
	<b>AR</b>	Crooke, S.T. et al., "Pharmacokinetic Properties of Several Novel Oligonucleotide Analogs in mice", <i>J. Pharmacol. Exp. Therapeutics</i> , <b>1996</b> , 277, 923-937	
	<b>AS</b>	Crooke, S.T., "Progress in Antisense Therapeutics", <i>Hematologic Path.</i> , <b>1995</b> , 9, 59-72	
	<b>AT</b>	Crooke, et al., "Progress in the development and patenting of antisense drug discovery technology", <i>Exp. Opin. Ther. Patents</i> , <b>1996</b> , 6, 855-870	
	<b>AU</b>	Dean, N.M. et al., "Inhibition of protein kinase C- $\alpha$ expression in mice after systemic administration of phosphorothioate antisense oligodeoxynucleotides", <i>Proc. Natl. Acad. Sci.</i> , <b>1994</b> , 91, 11762-11766	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	
JANET EPPS-FORD		2-3-03	



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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AV</b>	DiSanto, A.R., "Bioavailability and Bioequivalency Testing", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , Ch. 76, 1451-1458	
	<b>AW</b>	Dustin and Springer, "Lymphocyte Function-associated Antigen-1 (LFA-1) Interaction with Intercellular Adhesion Molecule-1 (ICAM-1) is One of At Least Three Mechanisms for Lymphocyte Adhesion to Cultured Endothelial Cells", <i>J. Cell. Biol.</i> , <b>1988</b> , 107, 321-331	
	<b>AX</b>	El-Hariri, et al., "The Mitigating Effect of Phosphatidylcholines on Bile Salt-and Lysophosphatidylcholine-induced Membrane Damage", <i>J. Pharm. Pharmacol.</i> , <b>1992</b> , 44, 651-654	
	<b>AY</b>	Ellington, A.D. et al., "In vitro selection of RNA molecules that bind to specific ligands", <i>Nature</i> , <b>1990</b> , 346, 818-822	
	<b>AZ</b>	Englisch, U. et al., "Chemically Modified Oligonucleotides as Probes and Inhibitors", <i>Angew. Chem. Int. Ed. Eng.</i> , <b>1991</b> , 30, 613-629	
	<b>BA</b>	Freier, S.M. et al., "The ups and downs of nucleic acid duplex stability: structure-stability studies on chemically-modified DNA:RNA duplexes", <i>Nucl. Acids Res.</i> , <b>1997</b> , 25, 4429-4443	
	<b>BB</b>	Forster A.C. et al., "Self-Cleavage of Virusoid RNA is Performed by the Proposed 55-Nucleotide Active Site", <i>Cell</i> , <b>1987</b> , 50, 9-16	
	<b>BC</b>	Forster, A.C. et al., "External Guide Sequences for an RNA Enzyme", <i>Science</i> , <b>1990</b> , 249, 783-786	
	<b>BD</b>	Gaffney, B.L. et al., "The Influence of the Purine 2-Amino Group on DNA Conformation and Stability-II", <i>Tetrahedron</i> , <b>1984</b> , 40, 3-13	
	<b>BE</b>	<i>Genetic Engineering News</i> , <b>1997</b> , pgs. 1 and 34	
	<b>BF</b>	Graham, M.J. et al., "Tritium labeling of antisense oligonucleotides by exchange with tritiated water", <i>Nucl. Acids Res.</i> , <b>1993</b> , 21, 3737-3743	
	<b>BG</b>	Guerrier-Takada, et al., "Phenotypic conversion of drug-resistant bacteria to drug sensitivity", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1997</b> , 94, 8468-8472	
<b>EXAMINER</b>		<b>SANET L. EPPS</b>	<b>DATE CONSIDERED</b> <b>2-3-03</b>



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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>BH</b>	Harvey, S.C., "Drug Absorption, Action, and Disposition", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , Ch. 35, 711-715	
	<b>BI</b>	Haseloff, J. et al., "Simple RNA enzymes with new and highly specific endoribonuclease activities", <i>Nature</i> , <b>1988</b> , 334, 585-591	
	<b>BJ</b>	Higuchi, et al., "Particle Phenomena and Coarse Dispersions", <i>Remington's Pharmaceutical Sciences</i> , Mack Publishing Co., Easton, PA, <b>1985</b> , Chapter 21, pgs. 301-329	
	<b>BK</b>	Hirahata, et al., <i>Gen To Kagaku Ryoho</i> , <b>1992</b> , 19(10 Suppl.), 1591-1594	
	<b>BL</b>	Ho, H.O. et al., "Preparation of Microemulsions Using Polyglycerol Fatty Acid Esters as Surfactant for the Delivery of Protein Drugs", <i>J. Pharm. Sci.</i> , <b>1996</b> , 85, 138-143	
	<b>BM</b>	Idson, "Pharmaceutical Emulsions", in <i>Pharmaceutical Dosage Forms: Disperse Systems</i> , Vol. 1, Lieberman, Rieger and Banker, Eds., Marcel Dekker, Inc., New York, NY, <b>1988</b> , Chapter 6, pgs. 199-243	
	<b>BN</b>	Inoue, Y. et al., "Trial of Electrolyzed Strong Acid Aqueous Solution Lavage in the treatment of Peritonitis and Intraperitoneal Abscess", <i>Artificial Organs</i> , <b>1997</b> , 21, 28-31	
	<b>BO</b>	Jarrett, H.W., "Affinity chromatography with nucleic acid polymers", <i>J. Chromatog.</i> , <b>1993</b> , 618, 315-339	
	<b>BP</b>	Kabanov, A.V., "A new class of antivirals: antisense oligonucleotides combined with a hydrophobic substituent effectively inhibit influenza virus reproduction and synthesis of virus-specific proteins in MDCK cells", <i>FEBS Letts.</i> , <b>1990</b> , 259, 327-330	
	<b>BQ</b>	Katocs, A.S. et al., "Biological Testing", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , Chapter 27, 484-494	
<b>BR</b>	Komiya, I. et al., "Quantitative Mechanistic Studies in Simultaneous Fluid Flow And Intestinal Absorption Using Steroids As Model Solutes", <i>Int. J. Pharmaceut.</i> , <b>1980</b> , 4, 249-262		
<b>BS</b>	Kornberg, A., <i>DNA Replication</i> , <b>1980</b> , W.H. Freeman & Co., San Francisco, 4-7		
EXAMINER <b>JAWETLEPPS-FORD</b>		DATE CONSIDERED <b>2-3-03</b>	





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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>BT</b>	Kroschwitz, J.I., "Polynucleotides", <i>Concise Encyclopedia of Polymer Science and Engineering</i> , 1990, John Wiley & Sons, New York, 858-859	
	<b>BU</b>	Lee, V.H.L. et al., "Mucosal Penetration Enhancers For Facilitation of Peptide and Protein Drug Absorption", <i>Crit. Rev. Ther. Drug Carrier Systems</i> , 1991, 8, 91-192	
	<b>BV</b>	Letsinger, R.L. et al., "Cholesteryl-conjugated oligonucleotides: Synthesis, properties and activity as inhibitors of replication of human immunodeficiency virus in cell culture", <i>Proc. Natl. Acad. Sci.</i> , 1989, 86, 6553-6556	
	<b>BW</b>	Leung and Shah, "Microemulsions: An Evolving Technology for Pharmaceutical Applications" in <i>Controlled Release of Drugs: Polymers and Aggregate Systems</i> , Rosoff, M., Ed., 1989, Chapter 6, VCH Publishers, New York, pgs. 185-215	
	<b>BX</b>	Manoharan M. et al., "Cholic Acid-Oligonucleotide Conjugates for Antisense Applications", <i>Bioorganic Med. Chem. Letts.</i> , 1994, 4, 1053-1060	
	<b>BY</b>	Manoharan, M. et al., "Chemical Modifications to Improve Uptake and Bioavailability of Antisense Oligonucleotides", <i>Annals NY Acad. Sciences</i> , 1992, 660, 306-309	
	<b>BZ</b>	Manoharan, M. et al., "Introduction of a Lipophilic Thioether Tether in the Minor Groove of Nucleic Acids for Antisense Applications", <i>Bioorg. Med. Chem. Letts.</i> , 1993, 3, 2765-2770	
	<b>CA</b>	Manoharan, M. et al., "Lipidic Nucleic Acids", <i>Tetrahedron Letts.</i> , 1995, 36, 3651-3654	
	<b>CB</b>	Manoharan M. et al., "Oligonucleotide Conjugates: Alteration of the Pharmacokinetic Properties of Antisense Agents", <i>Nucleosides and Nucleotides</i> , 1995, 14, 969-973	
	<b>CC</b>	Martin, P., "Ein neuer Zugang zu 2'-O-Alkylribonucleosiden und Eigenschaften deren Oligonucleotide", <i>Helvetica Chemica Acta</i> , 1995, 78, 486-504 (English summary included)	
	<b>CD</b>	Mishra, R.K. et al., "Improved leishmanicidal effect of phosphorothioate antisense oligonucleotides by LDL-mediated delivery", <i>Biochim. Et Biophysica</i> , 1995, 1264, 229-237	
	<b>CE</b>	Miyao, T. et al., "Stability and Pharmacokinetic Characteristics of Oligonucleotides Modified at Terminal Linkages in Mice", <i>Antisense Res. &amp; Dev.</i> , 1995, 5, 115-121	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	
JANET EPPS-FORD		2-3-03	



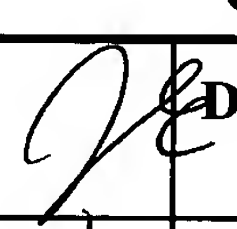
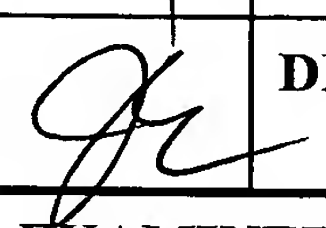
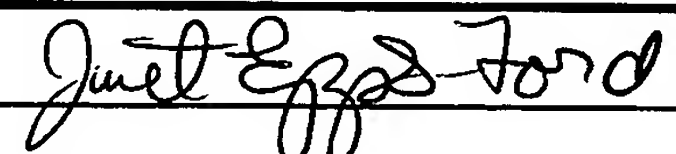
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<i>JG</i>	<b>CF</b>	Muranishi, S., "Absorption Enhancers", <i>Crit. Rev. Ther. Drug Carrier Systems</i> , 1990, 7, 1-33	
*	<b>CG</b>	Nairn, Chapter 83; Blick, Chapter 87; Rudnic, et al.; Chapter 89; Porter, Chapter 90 and Longer, et al., Chapter 91 in Remington's Pharmaceutical Sciences 18 <sup>th</sup> Ed., Gennaro, ed., Mack Publishing Co., Easton, PA, 1990	
<i>JG</i>	<b>CH</b>	Nielsen, P.E. et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide", <i>Science</i> , 1991, 254, 1497-1500	
<i>JG</i>	<b>CI</b>	Nies, A.S. et al., "Principles of Therapeutics", <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., Hardman et al. (eds.), McGraw-Hill, New York, NY, 1996, Chapter 3, 43-62	
	<b>CJ</b>	Nishihata and Rytting, "Absorption-promoting adjuvants: enhancing action on rectal absorption", <i>Advanced Drug Delivery Reviews</i> , 1997, 28, 205-228	
	<b>CK</b>	Oberhauser, B. et al., "Effective incorporation of 2'-O-methyl-oligonucleotides into liposomes and enhanced cell association through modification with thiocholesterol", <i>Nucl. Acids Res.</i> , 1992, 20, 533-538	
	<b>CL</b>	Pennington, C.R. et al., "Review article: artificial nutritional support for improved patient care", <i>Aliment Pharmacol. Ther.</i> , 1995, 9, 471-481	
	<b>CM</b>	Hyrup, B. et al., "Peptide Nucleic Acids (PNA): Synthesis, Properties, and Potential Applications", <i>Biorg. &amp; Med. Chem.</i> , 1996, 4, 5-23	
	<b>CN</b>	Prosnyak, M.I. et al., "Substitution of 2-Aminoadenine and 5-Methylcytosine for Adenine and Cytosine in Hybridization Probes Increases the Sensitivity of DNA Fingerprinting", <i>Genomics</i> , 1994, 21, 490-494	
	<b>CO</b>	Rieger, "Surfactants", in <i>Pharmaceutical Dosage Forms: Disperse Systems</i> , Vol. 1, Lieberman, Rieger and Banker, Eds., Marcel Dekker, Inc., New York, NY, 1988, Chapter 8, pgs. 285-366	
<i>JG</i>	<b>CP</b>	Ritschel, W.A., "Microemulsions for Improved Peptide Absorption from the Gastrointestinal Tract", <i>Meth. Find. Exp. Clin. Pharmacol.</i> , 1991, 13, 205-220	
<i>JG</i>	<b>CQ</b>	Robertson, D., "Crohn's trial shows the pros of antisense", <i>Nature Biotech.</i> , 1997, 15, 209	
<b>EXAMINER</b> <i>JANET EPPSFORD</i>		<b>DATE CONSIDERED</b> <i>2-3-03</i>	

\* A copy of this reference will not be forwarded to the Patent Office since it is believed to be too voluminous to send and easily obtainable by the Examiner.







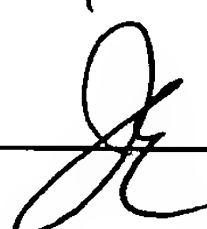
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	<b>CR</b>	Rosoff, M., "Specialized Pharmaceutical Emulsions", in <i>Pharmaceutical Dosage Forms: Disperse Systems</i> , Vol. 1, Lieberman, Rieger and Banker, Eds., Marcel Dekker, Inc., New York, NY <b>1988</b> , Chapter 7, pgs. 245-283	
	<b>CS</b>	Ruth, J.L., "Oligonucleotide-Enzyme Conjugates," <i>Methods of Molecular Biology</i> , Agrawal, S. (ed.), Humana Press, Totowa, NJ, <b>1994</b> , Chapter 6, 167-185	
	<b>CT</b>	Saison-Behmoaras, T. et al., "Short modified antisense oligonucleotides directed against Ha-ras point mutation induce selective cleavage of the mRNA and inhibit T24 cells proliferation", <i>EMBO J.</i> , <b>1991</b> , 10, 1111-1118	
	<b>CU</b>	Sambrook et al. (eds.), "Preparation of Radiolabeled DNA and RNA Probes", <i>Molecular Cloning: A Laboratory Manual</i> , <b>1989</b> , 2d. Ed., Chapter 10, 10.1 to 10.70	
	<b>CV</b>	Sanghvi, Y.S., Chapter 15, <i>Antisense Research and Applications</i> , pgs. 273-288, Crooke, S.T. and Lebleu, B., eds., CRC Press, <b>1993</b>	
	<b>CW</b>	Schott, H., "Colloidal Dispersions", in <i>Remington's Pharmaceutical Science</i> , Mack Publishing Co., Easton, PA, <b>1985</b> , Chapter 20, , pgs. 271-300	
	<b>CX</b>	Shea, R.G. et al., "Synthesis, hybridization properties and antiviral activity of lipid-oligodeoxynucleotide conjugates", <i>Nucl. Acids Res.</i> , <b>1990</b> , 18, 3777-3783	
	<b>CY</b>	Smith, L.M., "Automated Synthesis and Sequence Analysis of Biological Macromolecules", <i>Analyt. Chem.</i> , <b>1988</b> , 60, 381-390	
	<b>CZ</b>	Somogyi, A.A. et al., "Evaluation of the Intestinal Absorption of Erythromycin in Man: Absolute Bioavailability Comparison with Enteric Coated Erythromycin", <i>Pharm. Res.</i> , <b>1995</b> , 12, 149-154	
	<b>DA</b>	Svinarchuk, F.P. et al., "Inhibition of HIV proliferation in MT-4 cells by antisense oligonucleotide conjugated to lipophilic groups", <i>Biochimie</i> , <b>1993</b> , 75, 49-54	
	<b>DB</b>	Swinyard, E.A, "Gastrointestinal Drugs", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , Chapter 39, 782-783	
	<b>DC</b>	Takahasi, H. et al., "The Use of a Perfluorochemical Emulsion as a Bascular Perfusate in Drug Absorption", <i>J. Pharm. Pharmacol.</i> , <b>1988</b> , 40, 252-257	
<b>EXAMINER</b> JAVET LEE EPPS-FORD		<b>DATE CONSIDERED</b> 2-3-03	



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	<b>DD</b>	Takakura, Y. et al., "Uptake Characteristics of Oligonucleotides in the Isolated Rat Liver Perfusion System", <i>Antisense &amp; Nuc. Acid Drug Dev.</i> , <b>1996</b> , 6, 177-183	
	<b>DE</b>	U.S. Congress, Office of Technology Assessment, "The State-of-the-Art in Genetic Screening", <i>Genetic Monitoring and Screening in the Workplace</i> , OTA-BA-455, U.S. Government Printing Office, Washington, D.C., <b>1990</b> , Chapter 5, 75-9	
	<b>DF</b>	van Berge-Henegouwen, G.P., "Pharmacology of Chenodeoxycholic Acid", <i>Gastroenterology</i> , <b>1977</b> , 73, 300-309	
	<b>DG</b>	Wahlestedt, C. et al., "Antisense oligodeoxynucleotides to NMDA-R1 receptor channel protect cortical neurons from excitotoxicity and reduce focal ischaemic infarctions", <i>Nature</i> , <b>1993</b> , 363, 260-263	
	<b>DH</b>	Wahlestedt, C. et al., "Modulation of Anxiety and Neuropeptide Y-Y1 Receptors by Antisense Oligodeoxynucleotides", <i>Science</i> , <b>1993</b> , 259, 528-531	
	<b>DI</b>	Warren, W.J. et al., "Analysis and Purification of Synthetic Oligonucleotides by High-Performance Liquid Chromatography", <i>Meth. Mol. Biol.</i> , <b>1994</b> , Chapter 9, 26, 233-264	
	<b>DJ</b>	Yamamoto, A. et al., "A Mechanistic Study on Enhancement of Rectal Permeability to Insulin in the Albino Rabbit", <i>J. Pharm. Exp. Ther.</i> , <b>1992</b> , 263, 25-31	
	<b>DK</b>	Yamashita, S. et al., "Effect of Adjuvants on charge-Selective Permeability and Electrical Resistance of Rat Jejunal Membrane", <i>J. Pharm. Sci.</i> , <b>1990</b> , 79, 579-583	
	<b>DL</b>	Yamashita, S. et al., "Effects of diclofenac sodium and disodium ethylenediaminetetraacetate on electrical parameters of the mucosal membrane and their relation to the permeability enhancing effects in the rat jejunum", <i>J. Pharm. Pharmacol.</i> , <b>1987</b> , 39, 621-626	
	<b>DM</b>	Zuker, M., "On Finding All Suboptimal Foldings of an RNA Molecule", <i>Science</i> , <b>1989</b> , 244, 48-52	
EXAMINER 		DATE CONSIDERED <b>2-3-03</b>	



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**December 21, 2001**Group **1635**  
~~Not yet assigned~~**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>DN</b>	Branch, A. D. et al., "A Good Antisense Molecule is Hard to Find," <i>TIBS</i> , <b>February 1998</b> , 23, 45-50
	<b>DO</b>	Crooke, S., "Antisense '97: A roundtable on the state of the industry," <i>Nature Biotechnology</i> , <b>June 1997</b> , 15, p. 522
	<b>DP</b>	Crooke, S., "Basic Principles of Antisense Therapeutics," <i>Antisense Research and Applications</i> , Chapter 1, Springer-Verlag Press, Berlin, Heidelberg, New York, p. 3, <b>June 1998</b>
	<b>DQ</b>	Gura, T., "Antisense has Growing Pains," <i>Science</i> , <b>1995</b> , 270, 575-577
	<b>DR</b>	Uhlmann, E. et al., "Antisense Oligonucleotides: A New Therapeutic Principle," <i>Chem. Reviews</i> , <b>1990</b> , 90, 544-584

**EXAMINER****DATE CONSIDERED** **2-2-03**

**Form PTO-1449 Modified**

List of Patent and Publications  
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>JE</i>	<b>DS</b>	3,687,808	08/29/72	Merigan et al.	195	28
	<b>DT</b>	4,469,863	09/04/84	Ts'o et al.	536	27
	<b>DU</b>	4,476,301	10/09/84	Imbach et al.	536	27
	<b>DV</b>	4,587,044	05/06/86	Miller et al.	530	211
	<b>DW</b>	4,605,735	08/12/86	Miyoshi et al.	536	27
	<b>DX</b>	4,667,025	05/19/87	Miyoshi et al.	536	27
	<b>DY</b>	4,689,320	08/25/87	Kaji	514	44
	<b>DZ</b>	4,762,779	08/09/88	Snitman	435	6
	<b>EA</b>	4,789,737	12/06/88	Miyoshi et al.	536	27
	<b>EB</b>	4,806,463	02/21/89	Goodchild et al.	435	5
	<b>EC</b>	4,824,941	04/25/89	Gordon et al.	530	403
	<b>ED</b>	4,835,263	05/30/89	Nguyen et al.	536	27
	<b>EE</b>	4,845,205	07/04/89	Huynh Dinh et al.	536	28
	<b>EF</b>	4,876,335	10/24/89	Yammane et al.	536	27
	<b>EG</b>	4,878,979	11/07/89	Steinbach	156	344
	<b>EH</b>	4,904,582	02/27/90	Tullis	435	6
	<b>EI</b>	4,948,882	08/14/90	Ruth	536	27
	<b>EJ</b>	4,958,013	09/18/90	Letsinger	536	27
	<b>EK</b>	4,981,957	01/01/91	Lebleu, et al.	536	27
	<b>EL</b>	5,004,810	04/02/91	Draper	536	27
	<b>EM</b>	5,013,830	05/07/91	Ohtsuka et al.	536	27
<i>JE</i>	<b>EN</b>	5,023,243	06/11/91	Tullis	514	44

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<i>JE</i>	<b>EO</b>	5,034,506	07/23/91	Summerton et al.	528	391
	<b>EP</b>	5,082,830	01/21/92	Brakel et al.	514	44
	<b>EQ</b>	5,087,617	02/11/92	Smith	514	44
	<b>ER</b>	5,098,890	03/24/92	Gerwirtz et al.	514	44
	<b>ES</b>	5,109,124	4/28/92	Ramachandran et al.	536	27
	<b>ET</b>	5,112,963	05/12/92	Pieles et al.	536	27
	<b>EU</b>	5,118,800	06/02/92	Smith et al.	536	23
	<b>EV</b>	5,118,802	06/02/92	Smith et al.	536	27
	<b>EW</b>	5,130,302	07/14/92	Spielvogel et al.	514	45
	<b>EX</b>	5,134,066	07/28/92	Rogers et al.	435	91
	<b>EY</b>	5,135,917	08/04/92	Burch	514	44
	<b>EZ</b>	5,138,045	08/11/92	Cook et al.	536	27
	<b>FA</b>	5,149,797	09/22/92	Pederson et al.	536	27
	<b>FB</b>	5,166,195	11/24/92	Ecker	514	44
	<b>FC</b>	5,166,315	11/24/92	Summerton et al.	528	406
	<b>FD</b>	5,175,273	12/29/92	Bischofberger et al.	536	27
	<b>FE</b>	5,177,196	01/05/93	Meyer, Jr. et al.	536	22.1
	<b>FF</b>	5,177,198	01/05/93	Spielvogel et al.	536	25.33
	<b>FG</b>	5,185,444	02/09/93	Summerton et al.	544	81
	<b>FH</b>	5,188,897	2/23/93	Suhadolnik et al.	428	402.2
<i>JE</i>	<b>FI</b>	5,194,428	03/16/93	Agrawal et al.	514	44
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>gle</i>	<b>FJ</b>	5,212,295	05/18/93	Cook	536	26.7
	<b>FK</b>	5,214,134	05/25/93	Weis et al.	536	25.3
	<b>FL</b>	5,214,136	05/25/93	Lin et al.	514	44
	<b>FM</b>	5,216,141	06/01/93	Benner	536	27.13
	<b>FN</b>	5,218,105	06/08/93	Cook et al.	536	25.31
	<b>FO</b>	5,220,007	06/15/93	Pederson et al.	536	23.1
	<b>FP</b>	5,223,618	06/29/93	Cook et al.	544	276
	<b>FQ</b>	5,235,033	08/10/93	Summerton et al.	528	391
	<b>FR</b>	5,242,906	09/07/93	Pagano et al.	514	44
	<b>FS</b>	5,245,022	9/14/97	Weis et al.	536	24.5
	<b>FT</b>	5,254,469	10/19/93	Warren, III et al.	435	188
	<b>FU</b>	5,256,775	10/26/93	Froehler	536	25.6
	<b>FV</b>	5,258,506	11/02/93	Urdea	536	23.1
	<b>FW</b>	5,262,536	11/16/93	Hobbs, Jr.	546	25
	<b>FX</b>	5,264,423	11/23/93	Cohen et al.	514	44
	<b>FY</b>	5,264,562	11/23/93	Matteucci	536	23.1
	<b>FZ</b>	5,264,564	11/23/93	Matteucci	536	23.1
	<b>GA</b>	5,272,250	12/21/93	Spielvogel et al.	530	300
	<b>GB</b>	5,276,019	01/04/94	Cohen et al.	514	44
	<b>GC</b>	5,278,302	01/11/94	Caruthers et al.	536	24.5
<i>gle</i>	<b>GD</b>	5,286,717	02/15/94	Cohen et al.	514	44
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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>JE</i>	<b>GE</b>	5,292,873	03/08/94	Rokita et al.	536	24.3
	<b>GF</b>	5,317,098	05/31/94	Shizuya et al.	536	23.1
	<b>GG</b>	5,319,080	06/07/94	Leumann	536	27.1
	<b>GH</b>	5,321,131	06/14/94	Agrawal et al.	536	25.34
	<b>GI</b>	5,359,044	10/25/94	Cook et al.	536	23.1
	<b>GJ</b>	5,366,878	11/22/94	Pederson et al.	435	91.3
	<b>GK</b>	5,367,066	11/22/94	Urdea et al.	536	24.3
	<b>GL</b>	5,371,241	12/06/94	Brush et al.	549	220
	<b>GM</b>	5,378,825	01/03/95	Cook et al.	536	25.34
	<b>GN</b>	5,386,023	01/31/95	Sanghvi et al.	536	25.3
	<b>GO</b>	5,391,723	02/21/95	Priest	536	23.1
	<b>GP</b>	5,393,878	02/28/95	Leumann	536	28.2
	<b>GQ</b>	5,399,676	03/21/95	Froehler	536	23.1
	<b>GR</b>	5,403,711	04/04/95	Walder et al.	435	6
	<b>GS</b>	5,405,938	04/11/95	Summerton et al.	528	406
	<b>GT</b>	5,405,939	04/11/95	Suhadolnik et al.	530	322
	<b>GU</b>	5,414,077	05/09/95	Lin et al.	536	24.3
	<b>GV</b>	5,416,203	5/16/95	Letsinger	536	25.34
	<b>GW</b>	5,432,272	07/11/95	Benner	536	25.3
	<b>GX</b>	5,434,257	08/18/95	Matteucci et al.	536	24.3
<i>JE</i>	<b>GY</b>	5,446,137	08/29/95	Maag et al.	536	23.1
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<i>JE</i>	<b>GZ</b>	5,451,463	09/19/95	Nelson et al.	428	402
	<b>HA</b>	5,453,496	09/26/95	Caruthers et al.	536	24.5
	<b>HB</b>	5,455,233	10/03/95	Spielvogel et al.	514	44
	<b>HC</b>	5,457,187	10/10/95	Gmeiner et al.	536	25.5
	<b>HD</b>	5,457,191	10/10/95	Cook et al.	536	27.13
	<b>HE</b>	5,459,255	10/17/95	Cook et al.	536	27.13
	<b>HF</b>	5,466,677	11/14/95	Baxter et al.	514	44
	<b>HG</b>	5,466,786	11/14/95	Buhr et al.	536	26.26
	<b>HH</b>	5,470,967	11/28/95	Huie et al.	536	24.3
	<b>HI</b>	5,476,925	12/19/95	Letsinger et al.	536	23.1
	<b>HJ</b>	5,484,908	01/16/96	Froehler et al.	536	24.31
	<b>HK</b>	5,486,603	01/23/96	Buhr	536	24.3
	<b>HL</b>	5,489,677	02/06/96	Sanghvi et al.	536	22.1
	<b>HM</b>	5,491,133	02/13/96	Walder et al.	514	44
	<b>HN</b>	5,502,177	03/26/96	Matteucci et al.	536	2606
	<b>HO</b>	5,506,351	04/09/96	McGee	536	55.3
	<b>HP</b>	5,508,270	04/16/96	Baxter et al.	514	47
	<b>HQ</b>	5,510,475	04/23/96	Agrawal et al.	536	24.3
	<b>HR</b>	5,512,439	04/30/96	Hornes et al.	435	6
	<b>HS</b>	5,512,667	04/30/96	Reed et al.	536	24.31
	<b>HT</b>	5,514,785	05/07/96	Van Ness et al.	536	22.1
<i>JE</i>	<b>HU</b>	5,514,788	05/07/96	Bennett et al.	536	23.1

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	<b>HV</b>	5,519,126	05/21/96	Hecht	536	24.3
	<b>HW</b>	5,519,134	05/21/96	Acevedo et al.	544	243
	<b>HX</b>	5,521,302	05/28/96	Cook	536	25.31
	<b>HY</b>	5,523,389	06/04/96	Ecker et al.	536	23.1
	<b>HZ</b>	5,525,465	06/11/96	Haralambidis et al.	435	6
	<b>IA</b>	5,525,711	06/11/96	Hawkins et al.	536	22.1
	<b>IB</b>	5,536,821	07/16/96	Agrawal et al.	536	22.1
	<b>IC</b>	5,539,082	07/23/96	Nielsen et al.	530	300
	<b>ID</b>	5,539,083	07/23/96	Cook et al.	530	333
	<b>IE</b>	5,541,306	07/30/96	Agrawal et al.	536	22.1
	<b>IF</b>	5,541,307	07/30/96	Cook et al.	536	23.1
	<b>IG</b>	5,541,313	07/30/96	Ruth	536	24.3
	<b>IH</b>	5,543,508	08/06/96	Haseloff et al.	536	23.2
	<b>II</b>	5,545,729	08/13/96	Goodchild et al.	536	24.5
	<b>IJ</b>	5,545,730	08/13/96	Urdea et al.	536	28.51
	<b>IK</b>	5,550,111	08/27/96	Suhadolnik et al.	514	44
	<b>IL</b>	5,552,538	09/03/96	Urdea et al.	536	24.3
	<b>IM</b>	5,552,540	09/03/96	Haralambidis	536	25.34
	<b>IN</b>	5,554,746	09/10/96	Ravikumar et al.	540	200
	<b>IO</b>	5,561,225	10/01/96	Maddry et al.	536	23.1
	<b>IP</b>	5,563,253	10/08/96	Agrawal et al.	536	22.1
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	<b>IQ</b>	5,565,350	10/15/96	Kmiec	435	172.3
	<b>IR</b>	5,565,552	10/15/96	Magda et al.	534	11
	<b>IS</b>	5,567,810	10/22/96	Weis et al.	536	25.3
	<b>IT</b>	5,567,811	10/22/96	Misiura et al.	536	25.34
	<b>IU</b>	5,571,799	11/05/96	Tkachuk et al.	514	47
	<b>IV</b>	5,571,902	11/05/96	Ravikumar et al.	536	22.1
	<b>IW</b>	5,574,142	11/12/96	Meyer, Jr. et al.	536	23.1
	<b>IX</b>	5,576,427	11/19/96	Cook et al.	536	23.1
	<b>IY</b>	5,578,717	11/26/96	Urdea et al.	536	26.1
	<b>IZ</b>	5,578,718	11/26/96	Cook et al.	536	27.21
	<b>JA</b>	5,580,731	12/03/96	Chang et al.	435	6
	<b>JB</b>	5,585,481	12/17/96	Arnold, Jr. et al.	536	25.33
	<b>JC</b>	5,587,361	12/24/96	Cook et al.	514	44
	<b>JD</b>	5,587,371	12/24/96	Sessler et al.	514	185
	<b>JE</b>	5,587,469	12/24/96	Cook et al.	536	23.1
	<b>JF</b>	5,587,470	12/24/96	Cook et al.	536	23.1
	<b>JG</b>	5,591,584	01/07/97	Chang et al.	435	6
	<b>JH</b>	5,591,623	01/07/97	Bennett et al.	435	240.2
	<b>JI</b>	5,591,722	01/07/97	Montgomery et al.	514	45
	<b>JJ</b>	5,594,121	01/14/97	Froehler et al.	536	23.5
	<b>JK</b>	5,595,726	01/21/97	Magda et al.	424	9.61
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<i>Je</i>	<b>JL</b>	5,595,978	01/21/97	Draper et al.	514	44
	<b>JM</b>	5,596,086	01/21/97	Matteucci et al.	536	22.1
	<b>JN</b>	5,596,091	01/21/97	Switzer	536	24.5
	<b>JO</b>	5,597,696	01/28/97	Linn et al.	435	6
	<b>JP</b>	5,597,909	01/28/97	Urdea et al.	536	24.3
	<b>JQ</b>	5,599,797	02/04/97	Cook et al.	514	44
	<b>JR</b>	5,599,923	02/04/97	Sessler et al.	540	145
	<b>JS</b>	5,599,928	02/04/97	Hemmi et al.	540	474
	<b>JT</b>	5,602,240	02/11/97	De Mesmaeker et al.	536	23.1
	<b>JU</b>	5,608,046	03/04/97	Cook et al.	536	23.1
	<b>JV</b>	5,610,289	03/11/97	Cook et al.	536	25.34
	<b>JW</b>	5,610,300	03/11/97	Altmann et al.	544	244
	<b>JX</b>	5,614,617	03/25/97	Cook et al.	536	23.1
	<b>JY</b>	5,618,704	04/08/97	Sanghvi et al.	435	91.5
	<b>JZ</b>	5,623,070	04/22/97	Cook et al.	536	27.6
	<b>KA</b>	5,623,065	04/22/97	Cook et al.	536	23.1
	<b>KB</b>	5,625,050	04/29/97	Beaton et al.	536	24.1
	<b>KC</b>	5,633,360	05/27/97	Bischofberger et al.	536	22.1
	<b>KD</b>	5,639,873	06/17/97	Barascut et al.	536	25.3
	<b>KE</b>	5,646,265	07/08/97	McGee	536	25.34
	<b>KF</b>	5,652,355	07/29/97	Metlev et al.	536	24.5
	<b>KG</b>	5,652,356	07/29/97	Agrawal	536	24.5
<b>EXAMINER</b>	<i>Jefford</i>			<b>DATE CONSIDERED</b>	<i>2-3-02</i>	

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**10/029,598**

List of Patent and Publications  
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(Use several sheets if necessary)

Applicant

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Patent and Trademark Office

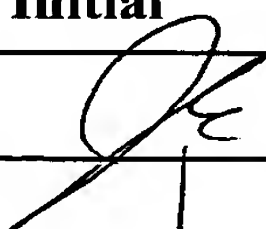
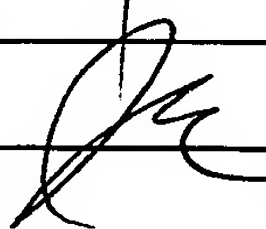
Filing Date

**December 21, 2001**Group **1635**~~Not yet assigned~~**U. S. PATENT DOCUMENTS**

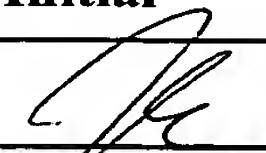



Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>JS</i>	<b>KH</b>	5,658,873	08/19/97	Bertsch-Frank et al.	510	375
	<b>KI</b>	5,663,312	09/02/97	Chaturvedula	536	22.1
	<b>KJ</b>	5,670,633	09/23/97	Cook et al.	536	23.1
	<b>KK</b>	5,672,359	09/30/97	Digenis, et al.	424	463
	<b>KL</b>	5,674,530	10/07/97	Amidon et al.	424	472
	<b>KM</b>	5,677,437	10/14/97	Teng et al.	536	23.1
	<b>KN</b>	5,677,439	10/14/97	Weis et al.	536	23.1
	<b>KO</b>	5,681,941	10/28/97	Cook et al.	536	23.1
	<b>KP</b>	5,688,941	11/18/97	Cook et al.	536	25.3
	<b>KQ</b>	5,697,248	12/16/97	Brown	73	290
	<b>KR</b>	5,700,920	12/23/97	Altmann et al.	536	221
	<b>KS</b>	5,700,922	12/23/97	Cook	536	23.1
	<b>KT</b>	5,705,188	01/06/98	Junichi, et al.	424	450
	<b>KU</b>	5,714,331	02/03/98	Buchardt et al.	435	6
	<b>KV</b>	5,716,780	02/10/98	Edwards et al.	435	6
	<b>KW</b>	5,719,262	02/17/98	Buchardt et al.	530	300
	<b>KX</b>	5,877,309	03/99	McKay et al.	536	24.5
	<b>KY</b>	6,120,803	09/00	Wong et al.	424	473
	<b>KZ</b>	5,853,748	12/98	New et al.	424	439
	<b>LA</b>	5,591,840	01/07/97	Narayanan et al.	536	24.5
<i>JS</i>	<b>LB</b>	5,656,272	08/12/97	Le et al.	424	133.1

**EXAMINER****DATE CONSIDERED****2 3 0 3**

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**ISIS-4945**Serial No.  
**10/029,598**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Ching-Leou Teng et al.**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**December 21, 2001**Group **1635**  
~~Not yet assigned~~**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	LC	5,631,237	05/20/97	Dzau et al.	514	44
	LD	5,108,921	04/28/92	Low et al.	435	375
	LE	6,111,094	04/17/98	Bennett et al.	536	24.5
	LF	4,828,979	05/09/89	Klevan et al.	435	6
	LG	5,223,168	06/29/93	Holt	510	238
	LH	5,627,053	05/06/97	Usman et al.	435	91.1
	LI	6,127,533	10/03/00	Cook et al.	536	23.1
	LJ	6,262,241 B1	07/17/01	Cook et al.	435	5
	LK	5,843,738	12/01/98	Bennett et al.	435	375
	LL	5,955,589	09/21/99	Cook	536	23.1
	LM	5,859,221	01/12/99	Cook et al.	536	23.1
	LN	6,335,434 B1	01/01/02	Guzaev et al.	536	23.1
	LO	09/098,166	06/16/98	Manoharan et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	LP	WO 93/24510	12/09/93	PCT		
	LQ	WO 94/02499	02/03/94	PCT		
	LR	WO 94/17093	08/04/94	PCT		
	LS	WO 97/30731	08/28/97	PCT		

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